


SAFETY INSPECTION CHECKLIST FOR CONSTRUCTION EQUIPMENT U. S. Army Engineer Division, Great Lakes & Ohio River		Date of Inspection:	
Contractor or Unit		Contract No. or Activity	
Inspected by (Signature)		Equipment/Serial No.	

CRANE/DERRICK, DRAGLINE, RUBBER TIRE TRACTOR (BACKHOES, FRONT END LOADERS, CRAWLER TRACTOR (DOZERS), DUMP TRUCK AND SIMILAR HEAVY EQUIPMENT				
NOTE: Safety and Health Requirements Manual (EM 385-1-1) references in parentheses.		Yes	No	N/A
1	Are the following documents with the crane at all times: (16.C.02)	<div style="background-color: #cccccc; width: 100%; height: 10px;"></div>	<div style="background-color: #cccccc; width: 100%; height: 10px;"></div>	<div style="background-color: #cccccc; width: 100%; height: 10px;"></div>
1a	Operating manual from the manufacturer for the specific crane being inspected.			
	(1) Any operator aids for which the crane is equipped?			
1b	Load rating chart for the crane including--			
	(1) The crane make and model, serial number, and year of manufacturer			
	(2) Load ratings for all crane operating configurations: including optional equipment			
	(3) Recommended reeving for the hoist line			
	(4) Operating limits in windy or cold conditions			
1c	Durable load chart fixed at a location visible to the operator while seated			
1d	Crane logbook that shows operating hours, inspections, tests, maintenance & repair. Note 1: Is log updated daily when crane is used, and is signed by operator & supervisor? Note 2: Mechanics have signed after conducting maintenance or repairs?			
2	Does operator have certification that he meets operator qualification and training as stated in 16.C.05? (Corps' crane operators must comply with Appendix G.)			
3	Has an activity hazard analysis (AHA) for set-up and set-down procedures (mobilization, assembly or erection, dismantling, etc.) been developed? (16.C.08)			
4	Are adequate clearances provided from electrical sources, fixed objects, and swing radius? (16.C.09)			
5	Are communications provided as required? (16.C.11)			
6	Has an inspection been performed in accordance with 16.C.12 and Appendix H?			
7	Have performance load tests been conducted in accordance with 16.C.13 and Appendix I?			
8	Are tag lines used to control loads? (16.C.16)			
9	Is a critical lift plan required? (16.C.18 and page Q-19 & 20 definition)			
10	Are all environmental considerations of 16.C.19 being met?			
11	Is the crane equipped with a boom angle indicator, load-indicating device, means to visually determine levelness, and anti-two block devices. (16.D.01)			
12	Are cable-supported booms equipped with boom stops? (16.D.06)			
13	Is crane or derrick equipped with an anti-two blocking (A2B) device? (16.C.21)			

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14	Does the unit have a suitable fire extinguisher? (16.C.22 and 16.A.34: Min. rating 10-B:C for cranes; other equipment min. rating 5-B:C)			
15	Do all floating cranes and derricks meet the requirements of 16.F?			
16	Are all moving parts (gears, drums, shafts, belts, etc.) and all hot surfaces (exhaust lines, pipes, etc.) guarded? (16.B.03)			
17	Is protection (safety glass, grills, canopies, screens) provided to shield operator from falling or flying objects? (16.B.10 and 16.B.11)			
18	Is adequate rollover protection structure (ROPS) provided? (16.B.12)			
19	Are seat belts provided? (16.B.08)			
20	Is there an effective and operational reverse signal (back-up) alarm? (16.B.01)			
21	Is a safe means of access to the cab provided (platforms, foot walks, steps, handholds, grab bars, non-slip surfaces)? (16.B.03.d. & e.)			
22	Are pressurized cylinders, actuating booms, outriggers, etc., equipped with a pilot check valve? (20.A.17)			
23	Are sufficient lights provided for night operators? (16.A.11)			
24	Are daily/shift inspections and tests of the equipment performed by a competent person prior to use? (16.A.01 and 16.A.02)			
25	Are fuel tanks located in a manner to prevent spills or overflows from running onto engine exhaust or electrical equipment? (16.B.04)			
26	Are exhaust discharges from equipment so directed that they do not endanger persons or obstruct the view of the operator? (16.B.05)			
27	Are test and inspection records kept available as a part of the official project file? (16.A.01.a.)			
28	Do all motor vehicles meet the requirements of 18.A and 18.B?			
	Remarks:			
	NOTE: This checklist will be used for conveyors, concrete plants, material hoists, elevators air compressors and other special purpose construction equipment not mentioned on page 1 of this form.			